

PROCEEDINGS
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THE OSTRACOD GENUS *POTAMOCYPRIS* WITH
THE DESCRIPTION OF A NEW SPECIES¹

EDWARD FERGUSON, JR.
Grambling College, Grambling, La.

Brady (1870) established the genus *Potamocypris* and designated *Potamocypris fulva* (= *Bairdia fulva* Brady 1868) the type species. The genus includes cyprid ostracods having the following characteristics: Valves compressed; right valve projects beyond the left dorsally; valves usually hairy. Natatory setae of second antennae well developed, frequently extending beyond the tips of the terminal claws; ultimate podomere of maxillary palp short, broadened distally and provided with a short claw-like seta. The respiratory plate of the first thoracic leg with a maximum of two setae.

Members of the genus have been found in Europe, Asia, Africa, South America, and North America. Seven of the nineteen species recorded in this paper have been reported from North America. When possible the length, height, and color of the valves and the geographical distribution have been recorded for a species.

SPECIES OF POTAMOCYPRIS

P. almasyi Daday 1904

Size: Length of female 0.58-0.61 mm; height 0.34 mm. Males unknown.

Color: Grass green.

Distribution: Turkestan.

P. arcuata (Sars 1903) Müller 1912

Distribution: China

P. comosa Furtos 1933

Size: Length of female 0.68 mm; height 0.37 mm. Length of male 0.55 mm; height 0.29 mm.

Color: Light green with two conspicuous, bright green dorso-lateral stripes.

Distribution: North America (Ohio).

P. dentatomarginata Daday 1902

Distribution: Patagonia.

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- P. elegantula* Furtos 1933
Size: Length of female 0.55 mm; height 0.38 mm. Males unknown.
Color: Light green with two dark-green dorso-lateral stripes.
Distribution: North America (Ohio).
- P. fulva* Brady 1870 (= Bairdia fulva Brady 1868)
Size: Length of female 0.70-0.72 mm. Males unknown.
Color: Greenish-yellow.
Distribution: Europe.
- P. hyboforma* Dobbin 1941
Size: Length of female 0.70 mm. Males unknown.
Color: Not recorded.
Distribution: North America (State of Washington; Idaho).
- P. illinoisensis* Hoff 1943a
Size: Length of female 0.55-0.56 mm; height 0.30-0.32 mm. Length of male 0.54 mm; height 0.30 mm.
Color: Green.
Distribution: North America (Illinois).
- P. islandgrandensis* Hoff 1943b
Size: Length of female 0.58-0.63 mm; height 0.32-0.38 mm. Length of male 0.54-0.58 mm; height 0.29-0.35 mm.
Color: Dusky greenish-brown.
Distribution: North America (Louisiana).
- P. montevidea* (Vávra 1898) Daday 1900
Size: Length of female 0.60 mm. Males unknown.
Color: Not recorded.
Distribution: Uruguay.
- P. pallida* Alm 1914
Size: Length of female 0.71 mm; height 0.37 mm. Males unknown.
Color: Green with clear area in ocular region.
Distribution: Sweden; North America (Ohio).
- P. reniformis* (Brady 1907) Müller 1912
Size: Length of female 0.50 mm. Males unknown.
Color: Not recorded.
Distribution: Africa.
- P. similis* Müller 1912
Size: Length of female 0.55 mm. Males unknown.
Color: Yellowish-white with two dark patches in dorsal region.
Distribution: Switzerland.
- P. smaragdina* (Vávra 1891) Daday 1900
Size: Length of female 0.56-0.66 mm; height 0.35-0.38 mm. Length of male 0.52-0.61 mm; height 0.28-0.32 mm.
Color: Yellowish-green; eggs orange-red.
Distribution: Bohemia; Europe; North America.
- P. unicaudata* Schäfer 1943
Size: Length of female 0.81 mm; height 0.46 mm. Males unknown.
Color: Bright grayish-green.
Distribution: Europe.

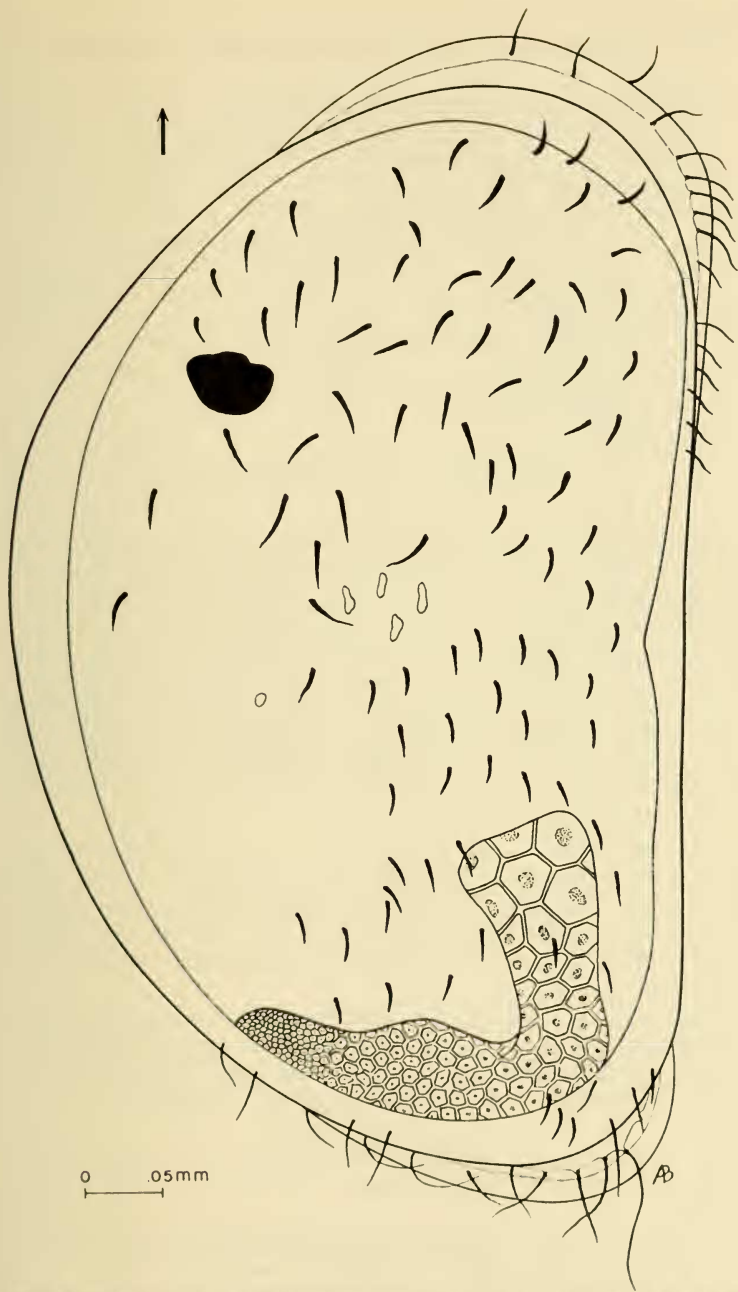


Fig. 1. *Potamocypris saskatchewanensis* n. sp.—Lateral view of the right valve with eye and ovary conspicuous. The drawing was made from a specimen stained in a 1% alcoholic solution of eosin Y and mounted in Canada balsam.

P. variegata (Brady and Norman 1889) Daday 1900

Size: Length of female 0.51-0.56 mm. Males unknown.

Color: Yellow with black bands.

Distribution: Europe.

P. villosa (Jurine 1820) Müller 1912

Size: Length of female 0.68-0.75 mm. Males unknown.

Color: Green.

Distribution: Europe; Asia.

P. wolffi Brehm 1920

P. zschokkei (Kaufman 1900) Müller 1912

Size: Length of female 0.77 mm. Males unknown.

Color: Bright green.

Distribution: Europe.

***Potamocypris saskatchewanensis* n. sp.**

Fig. 1

Specific characters.—*Female.* Eye prominent. Natatory setae of second antennae reaching considerably beyond the tips of the end-claws. Valves compressed; length 0.75-0.81 mm; greatest height 0.42-0.44 mm; anterior and posterior ends broadly rounded, the posterior border sloping from dorsal margin to an acute angle ventrally; dorsal margin evenly arched; ventral margin almost straight; submarginal line prominent anteriorly and posteriorly. The surfaces of the valves are armed with strong spines; antero-ventral and postero-ventral margins with heavy setae; right valve with flanges at posterior and anterior ends. The shell is green, with a concentration of pigment in the ocular region.

Males.—Unknown.

Type locality.—*P. saskatchewanensis* n. sp. was collected by Dr. Richard W. Coleman on August 14, 1957 from a pool located along Highway No. 54 about 4.7 miles south of Regina Beach, Saskatchewan, Canada. *Cypridopsis vidua* (Müller 1776) and *Cypria ophthalmica* (Jurine 1820) were present in collections containing *P. saskatchewanensis* n. sp.

Type specimens.—A stained microscopic mount of the holotype female, USNM Catalogue No. 102574, and four female paratypes, USNM Catalogue No. 102575, are deposited in the United States National Museum. Paratypes (females) are retained in the author's collection.

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